POLLUTION CONTROL SYSTEMS INCORPORATED
COUNTY ROAD 550 S BOX 17 (AT STATE ROAD THREE)
LAOTTO, INDIANA 46763 TELEPHONE (219) 637-3137

August 6, 1986

Mr. Chuck White
Chemistry Section
Solid Waste Management Branch
Indiana Department of Environmental Management
Post Office Box 1964
Indianapolis, Indiana 46206

SUBJECT: SAMPLING PLAN FOR CONTAINER CORPORATION OF AMERICA

Dear Mr. White:

Enclosed, please find our proposed sampling plan for the Container Corporation of American (CCA) plant in Wabash, Indiana. This plan is identified as CCA86/6997 Document 3 and will include the following elements:

- < Location description
- < Industrial type description
- < Sample grid pattern
- < Sample compositing
- < Equipment used to collect samples
- < Decontamination of sampling equipment
- < Containers used
- < Standard method references

Pollution Control Systems Incorporated feels that these are the major components necessary in addressing a sampling plan of this nature. We would, however, appreciate any input that you or your department may have on this proposal.

The purpose of this sample collection plan is two fold. The initial objective is to provide accurate evaluation of the waste stream so that disposal of the accumulated waste may be properly disposed of at an existing landfill. The second, and equally important function of the sample collection is to provide the first set of data points for evaluating the waste stream; thus fulfilling part of the requirements for a newly proposed monofill. The method of sample collection for additional data points will be submitted at a later date. This

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firm desires to provide CCA with the most efficient method of evaluating the waste stream. Therefore, please consider both objectives while evaluating this sampling plan.

If you have any questions, please do not hesitate to give me a call. We look forward to hearing from you in the near future so that we may initiate activity on this plan.

Sincerely,

POLLUTION CONTROL SYSTEMS INCORPORATED

Dennis R. Reed by

Dennis R. Reed

Enclosure

CC: Project file 86-6997/CCA86
: BDC
: LGR

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LAOTTO, INDIANA 46763 TELEPHONE: (219) 637-3137

NAME: Container Corporation of America

ADDRESS: Wabash, Indiana

DATE: August 4, 1986

DESCRIPTION: Proposed sampling plan for land disposal of sludges from two lagoons.

DOCUMENT NUMBER: CCA86-6997-3

1. Location Description

   A. Container Corporation of American (CCA) is located in Wabash, Indiana. the mailing address is Post Office Box 217; 445 West Factory Street; Wabash, Indiana 46992.

2. Industrial Type Description

   A. The facility from which the waste is generated is a papermill. This facilities sole business is to receive and reprocess "spent paper products". The finished product is either rolled or stacked bulk paper in varying grades. No printing or additional fabrication occurs at this site. This facility has a standard industrial classification number of 2631.

3. Sample Grid Pattern

   A. There are two CCA lagoons which we will call the North Lagoon and the South Lagoon.

      * The North lagoon is approximately 450 feet long by 40 feet wide by 8 feet deep with an approximate capacity of 5800 cubic yards.

      * The South Lagoon is slightly longer than 450 feet by 40 feet wide by 8 feet deep with an approximate capacity of 6400 cubic yards.

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B. The proposed sample grid pattern for each lagoon is shown in the accompanying Appendix A.

4. Sampling Depths

A. For both the North and South Lagoons, we propose sampling depths of one foot, four feet and seven feet at each sampling point represented in Appendix A. These samples would all become volume proportional components of the single composite sample on each lagoon.

5. Sample Compositing

A. As per reference in step 4A, samples would be collected at three depths from five sample points.

B. These fifteen total individual samples will then be composited on an equally proportional basis into one composite sample.

C. This one composite sample will be representative of an entire lagoon and will satisfy the project scope for a one time, one composite sample collection per lagoon.

6. Sampling Equipment

A. - Split spoon sampler
- Polyethylene containers (4.5L capacity)
- Organic washed glass containers (1.0L capacity) with teflon lids
- Type I water

B. The split spoon sampler will be cleaned by removing all visible soil and rinsing three separate times with type I water. This will take place between each distinct sample point.

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7. Standard Analytical Methods

A. All analyses performed on the composite sample will be done in accordance with SW-846 "Test Methods for Evaluating Solid Waste", second edition, July, 1982.

1. EP Toxicity Extraction Procedure, Method 1310

2. Leachate Digestion procedures

a. Method 3010, a nitric acid digestion Method 3030 may also be applied if incomplete interference removal is acheived with Method 3010.

b. Methods 7060 and 7760 for Arsenic and Seleninum Analyses

3. Eight EP Toxicity Metals

a. These metals will be determined utilizing the method of three point standard additions and the appropriate methods in accordance with SW-846.

4. Total Cyanide Method 9010

5. Total Sulfide Method 9030

For additional analytical information see Appendix B.

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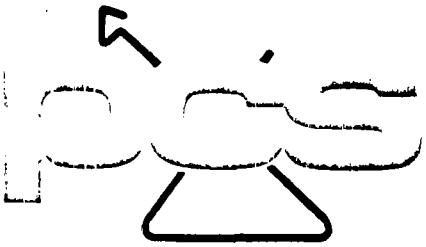

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APPENDIX B

METHODS USED FOR LEACHATE METALS DETERMINATIONS AT PCS 2-6-85

USEPA TOXICITY METALS	DETECTION TECHNIQUE	DIGESTION METHOD REFERENCE (SW-846)	ANALYTICAL METHOD REFERENCE (SW-846)	PCS DETECTION LIMIT (MG/L)	EP TOXICITY LIMIT (MG/L)
AS	AAS-GF	7060	7060	0.007	5.0
BA	AAS-FL	3010	7080	0.20	100.0
CD	AAS-FL	3010	7130	0.01	1.0
TCR	AAS-FL	3010	7190	0.01	5.0
6CR	COLORIMETRIC	--	7196	0.02	5.0
PB	AAS-FL	3010	7420	0.12	5.0
HG	COLD VAPOR	--	7470	0.0005	0.2
SE	AAS-GF	7740	7740	0.001	1.0
AG	AAS-FL	7760	7760	0.006	5.0
COMMON ADDITIONAL METALS:					
CU	AAS-FL	3010	--	0.01	N/A
NI	AAS-FL	3010	7520	0.05	N/A
ZN	AAS-FL	3010	--	0.004	N/A

REVISED 2-6-85/SLM

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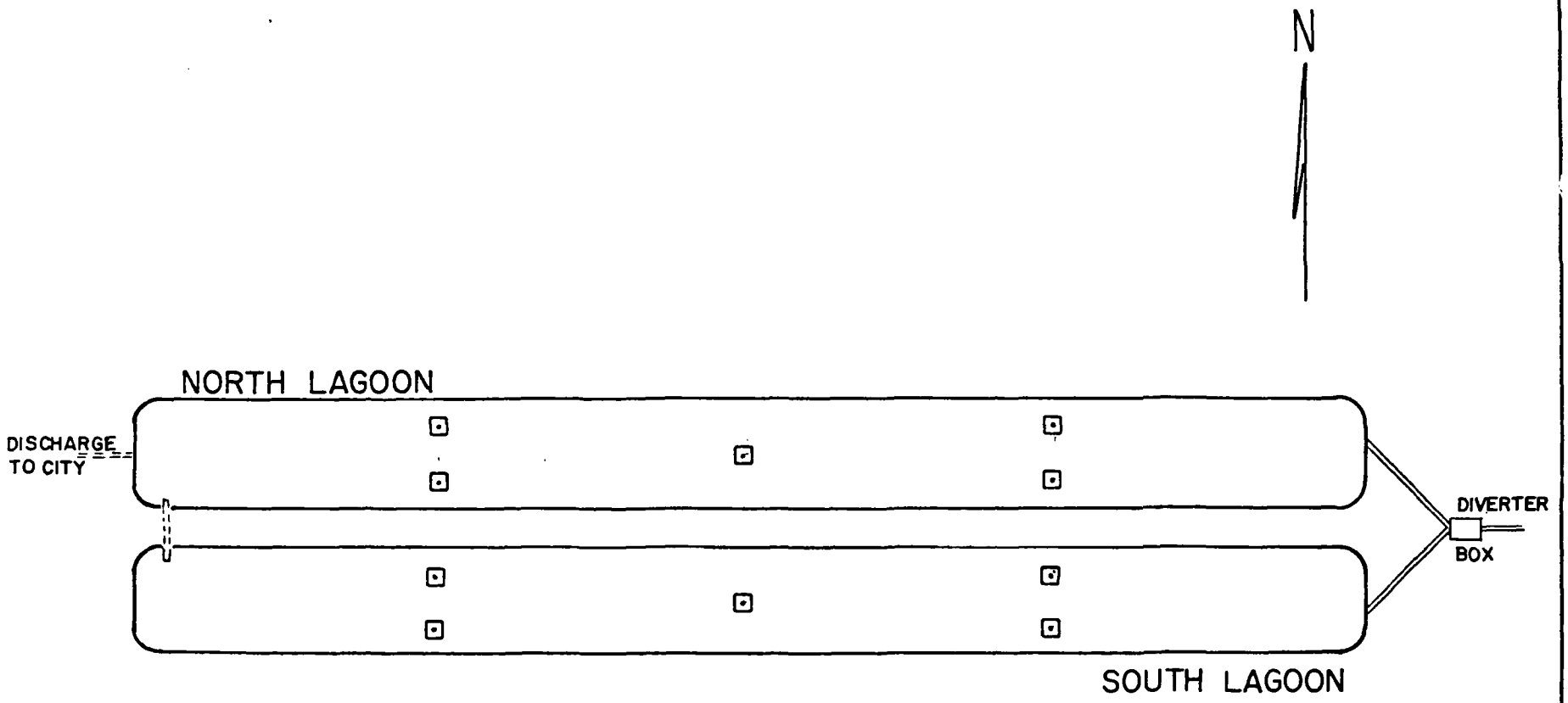

CONTAINER CORPORATION OF AMERICA

SCALE 1"=60'

⊡ SAMPLE POINT

APPENDIX 'A'